

## 目 次

玉米高油型诱导系 CHOI1 和 CHOI3 的单倍体鉴定效率评价

..... 董昕 田小龙 李伟 刘晨旭 杨华 官玲 李淑君 张丕辉 陈绍江(1)

拟南芥免疫相关基因启动子对免疫信号分子的响应强度分析

..... 罗箫 甘爽 谢国莉 郭晋雅 蔡易(10)

密植对玉米叶片下垂特征的影响

..... 宁芳芳 高雅 黄收兵 王媛媛 杨国娥 王璞 廖树华(17)

旱地玉米不同耕作覆盖措施的土壤环境及产量效应

..... 张冬梅 张伟 姜春霞 王晓娟 刘化涛 杨柯 闫六英 刘恩科 翟广谦(26)

谷子茎秆水浸提液对其种子萌发及幼苗生长的自毒作用

..... 王园园 董淑琦 原向阳 温银元 宋喜娥 杨雪芳 郭平毅(38)

我国芒属植物规模化种植的生态风险评估 ..... 郭孟齐 杨塞 易自力 薛帅(49)

番茄一个褪黑素合成基因的 cDNA 克隆与表达分析

..... 杨荣超 梁剑锋 胡守荣 梁小铭 章月琴(57)

北京地区草莓枯萎病病原的鉴定与防治 ..... 雷恒树 华战迎 范灵姣 王红清(66)

小尾寒羊 GnRH 基因组织表达、多态性及其与产羔性状关联分析 ..... 寸静宇 刘秋月

..... 王翔宇 狄冉 胡文萍 张效生 张金龙 赵永聚 储明星(73)

两株鸡源 H9N2 亚型禽流感病毒的分离鉴定和遗传进化分析

..... 王彪雄 苏惠娟 石丽娟 肖榕 周红波 索朗斯珠(81)

投喂蚕豆对草鱼免疫器官超微结构和免疫基因表达的影响

..... 陈论践 郁二蒙 王广军 谢骏 余德光 李志斐 张凯 龚望宝 田晶晶(92)

RSV-寄主-介体三者间相互作用研究进展 ..... 张坤 徐红梅 张定谅 贺振 刘芳(104)

斯氏副柔线虫 SHR 基因表达载体的构建及生物信息学分析

..... 赵学亮 王姝懿 呼和巴特尔 冯陈晨 孙柯 王文龙(116)

基于迁移学习的番茄叶片病害图像分类 ..... 王艳玲 张宏立 刘庆飞 张亚砾(124)

基于机器学习的猪场用户流失分析 ..... 王明 滕光辉 宋维平(131)

基于广义回归神经网络异质复合墙体日光温室温度场的预测

..... 尹庆珍 张天策 郑丽娟 韩建会(137)

旱地胡麻起垄覆膜播种联合作业机工作参数优化与性能试验

..... 周刚 石林榕 赵武云 马海军 张锋伟(147)

基于遗传算法与方案优选的多目标优化模型求解方法

..... 单宝英 郭萍 张帆 郭珊珊(157)

利用面向对象变化向量分析(OCVA)检测土地利用变化 ..... 张沁雨 李哲 彭道黎(166)

灵丘县土地利用变化对生态系统服务价值的影响 ..... 徐忆楠 李志军 王东 陈源泉(175)

农业保险会影响农户农药施用吗?

——来自 4 省粮农的生产证据 ..... 张驰 吕开宇 程晓宇(184)

中国农业纺织原料市场价格溢出效应与动态关联

——基于不同政策背景下比较分析 ..... 丁存振 肖海峰(195)

工业化进程对农村劳动力价格上涨的影响

——基于劳动力转移的中介效应检验 ..... 黄玛兰 李晓云 曾琳琳 刘念(206)

农户对马铃薯保险服务满意度的影响因素:

基于生产规模视角 ..... 黄泽颖 张莹 李向敏 苗水清(218)

土地流转对种粮大户土地产出率影响的再讨论

——兼论效率尺度下的土地经营权结构问题 ..... 王振华 郑文杰 张广胜(229)

“蓝色粮仓”建设潜力评估

——来自我国沿海 11 省市的经验 ..... 张兰婷 刘康 韩立民(235)

## CONTENTS

- Evaluation the efficiency of maize haploid identification with High-Oil Inducers CHOI1 and CHOI3 ..... DONG Xin, TIAN Xiaolong, LI Wei, LIU Chenxu, YANG Hua, GUAN Ling, LI Shujun, ZHANG Pihui, CHEN Shaojiang (1)
- Analysis of the response intensity of *Arabidopsis* immune-related gene promoters to the immune signaling molecules ..... LUO Xiao, GAN Shuang, XIE Guoli, GUO Jinya, CAI Yi (10)
- Effects of increased plant density on maize leaf drooping characteristic ..... NING Fangfang, GAO Ya, HUANG Shoubing, WANG Yuanyuan, YANG Guo, WANG Pu, LIAO Shuhua (17)
- Effects of different tillage and mulch treatments on the soil environment and yield of dryland maize ..... ZHANG Dongmei, ZHANG Wei, JIANG Chunxia, WANG Xiaojuan, LIU Huatao, YANG Ke, YAN Liuying, LIU Enke, ZHAI Guangqian (26)
- Autotoxicity effect of the water extracts of foxtail millet straw on seed germination and seedling growth ..... WANG Yuanyuan, DONG Shuqi, YUAN Xiangyang, WEN Yinyuan, SONG Xi'e, YANG Xuefang, GUO Pingyi (38)
- Ecological risk assessment of *Miscanthus* for large-scale cultivation in China ..... GUO Mengqi, YANG Sai, YI Zili, XUE Shuai (49)
- Cloning of a melatonin biosynthesis gene and its expression analysis in tomato ..... YANG Rongchao, LIAO Jianfeng, HU Shourong, LIAO Xiaoming, ZHANG Yueqin (57)
- Identification and prevention of strawberry wilt disease pathogen in Beijing ..... LEI Hengshu, HUA Zhanyin, FAN Lingjiao, WANG Hongqing (66)
- Analysis on the tissue expression, polymorphism of *GnRH* gene and its association with prolificacy in Small Tail Han sheep ..... CUN Jingyu, LIU Qiuyue, WANG Xiangyu, DI Ran, HU Wenping, ZHANG Xiaosheng, ZHANG Jinlong, ZHAO Yongju, CHU Mingxing (73)
- Isolation, identification and genetic evolution analysis of two H9N2 AIV isolates ..... WANG Biaoxiong, SU Huijuan, SHI Lijuan, XIAO Rong, ZHOU Hongbo, Suolangsizhu (81)
- Effects of feeding with broad bean on the immune organ ultrastructure and expression of immune genes of grass carp ..... CHEN Lunjian, YU Ermeng, WANG Guangjun, XIE Jun, YU Deguang, LI Zhifei, ZHANG Kai, GONG Wangbao, TIAN Jingjing (92)
- Research progress on the tritrophic interactions of RSV-plant-vector ..... ZHANG Kun, XU Hongmei, ZHANG Dingliang, HE Zhen, LIU Fang (104)
- Bioinformatic analysis of *Parabronema skrabini* SHR gene and construction of its prokaryotic expression vector ..... ZHAO Xueliang, WANG Shuyi, Huhebateer, FENG Chenchen, SUN Ke, WANG Wenlong (116)

- Image classification of tomato leaf diseases based on transfer learning ..... WANG Yanling ,ZHANG Hongli ,LIU Qingfei ,ZHANG Yashuo(124)
- Churn analysis of pig farm users based on machine learning ..... WANG Ming ,TENG Guanghui ,SONG Weiping(131)
- Temperature field prediction and application of heterogeneous composite wall in solar greenhouse based on general regression neural network ..... YIN Qingzhen ,ZHANG Tiance ,QIE Lijuan ,HAN Jianhui(137)
- Optimization of the working parameters and performance experiment of flax ridging and covering film combined seeder in dry-land ..... ZHOU Gang ,SHI Linrong ,ZHAO Wuyun ,MA Haijun ,ZHANG Fengwei(147)
- A multi-objective optimization model solving method based on genetic algorithm and scheme evaluation ..... SHAN Baoying ,GUO Ping ,ZHANG Fan ,GUO Shanshan(157)
- Land use change detection based on object-oriented change vector analysis (OCVA) ..... ZHANG Qinyu ,LI Zhe ,PENG Daoli(166)
- Impact of land use change on ecosystem service value in Lingqiu County ..... XU Yinan ,LI Zhijun ,WANG Dong ,CHEN Yuanquan(175)
- Dose agricultural insurance affect farmers' application of pesticides?  
Empirical evidence from grain farmers in 4 provinces ..... ZHANG Chi ,LV Kaiyu ,CHENG Xiaoyu(184)
- Price spillover effect and the dynamic correlation of agricultural textile raw material market in China;  
Based on different policy background ..... DING Cunzhen ,XIAO Haifeng(195)
- Impact of industrialization on rural labor price:  
Based on the test of the mediating effect of labor migration ..... HUANG Malan ,LI Xiaoyun ,ZENG Linlin ,LIU Nian(206)
- Influence factors of farmers' satisfaction with potato insurance service:  
Based on the perspective of farm size ..... HUANG Zeying ,ZHANG Ying ,LI Xiangmin ,MIAO Shuiqing(218)
- Further discussion on the influence of land farmland transfer on land output rate of large grain producing households;Structure of rural land management right from the perspective of efficiency ..... WANG Zhenhua ,ZHENG Wenjie ,ZHANG Guangsheng(229)
- Construction potential evaluation of "Blue granary":  
An empirical study of 11 provinces and cities along the coast of China ..... ZHANG Lanting ,LIU Kang ,HAN Limin(235)